

GENERAL INFORMATION

PRODUCT DESCRIPTION

AP-COAT® 2070 is a water-based stone chip protection coating that is free from aromatic compounds and solvents and is of tested OEM quality. AP-COAT® 2070 forms a dull, anthracite, fast to handling coating with excellent water resistance and low temperature flexibility and fulfills highest demands for stone chip resistance according DIN EN ISO 20567-1, B as well as reaction to fire requirements according to DIN EN 45545-2 Hazard Level 1/2/3. If applied on electrocoated or coated substrates it meets the requirements of Corrosion Protection Class C4 (DIN EN ISO 12944) when applying the recommended layer thickness and adhering to the intended use.

APPLICATION

AP-COAT® 2070 is particularly suitable for use as underbody, surface and stone chip protection for all kind of vehicles (automobiles, buses, trucks, agricultural and construction machinery, oldtimer) as well as highly mechanically stressed systems and machines/parts. AP-COAT® 2070 is recommended for structural components that are made of light and non-ferrous metals, iron and steel alloys, zinc passivations and other unpainted and passivated surfaces. On critical substrates the use of AP-COAT® 2030 (4202 0300) as undercoat is highly recommended to improve corrosion protection and adhesion.

CUSTOMER VALUE

- | **EXCELLENT STONE CHIP PROTECTION ACCORDING DIN EN ISO 20567-1, B**
- | **VERY GOOD CORROSION PROTECTION ON E-COATS AND COATED SURFACES**
- | **MEETS REACTION TO FIRE REQUIREMENTS ACCORDING TO DIN EN 45545-2 HAZARD**
- | **VERY GOOD WATER RESISTANCE, SUITABLE FOR COLD CLIMATES**
- | **AROMATIC-, SOLVENT AND BITUMEN-FREE**

APPLICATION

PROCESSING INSTRUCTIONS

Stir the product thoroughly before use and bring it up to the recommended processing temperature of between 20 °C to 35 °C. The application must be carried out on a grease-free and dry surface. The ready to use product can be applied by air-less spray onto the prepared surface, whereby a uniformly closed film is to be applied with local surpluses being avoided.

The minimum recommended dry film thickness is 300 µm. Drying is carried out at room temperature. The coating is fast to handling after 1 hour and dried through after 24 hours.

CLEANING

Liquid or slightly dried material on the tool is to be cleaned off with water/isopropanol. It is recommended that dried on material and overspray be removed using cleaner AP-PURE® 7048 (7207 0480).

DISPOSAL

Please only dispose of completely empty containers in the recycling waste. Take containers with residual contents to problem waste depots. Do not dispose of the container in the household waste. Do not permit the product to enter the sewage system, the soil, or bodies of water.





CHARACTERISTIC VALUE ¹

PROPERTY	METHOD	UNIT	VALUE
Appearance	036.000Q		anthracite liquid
Solid content	010.000Q	%	70
Density at 15 °C	DIN EN ISO 12185	g/cm ³	1,300
pH value	015.000Q		9,00
Viscosity at 23 °C (760 1/s)	005.000Q	mPas	300
Flow distance at 23 °C (0,5 ml)	022.000Q	cm	15
Neutral salt spray test ²	DIN EN ISO 9227	h	> 1000
Condensed water test ²	DIN EN ISO 6270-2	h	> 1000
Stone chip resistance ²	DIN EN ISO 20567-1, B		≤ 0,5
Fire protection requirements	DIN EN 45545-2	Hazard Level	1 / 2 / 3

1) Data are approx. average values and do not serve as a product specification

2) At recommended dry film thickness on electrocoated substrates

LOGISTICS

TRANSPORT AND STORAGE

The product is to be transported and stored in a closed container so that it is protected from frost, sunlight, and heat (storage category 12).

SHELF LIFE

The shelf life is 6 months subject to a correct transportation and storage at temperatures of between 20 °C and 35 °C in a closed container.

HEALTH AND SAFETY

Our products are classified and labelled at EU level conform with (EC) directive No. 1272/2008 (CLP directive) and conform with the GHS (Globally Harmonized System) outside the EEA. The safety datasheets are conform with Article 31 and Annex II of the (EC) REACH directive No. 1907/2006, Artikel 31 or ISO standard 11014 respectively – each in their currently valid version.

DISCLAIMER

Neither is this product information deemed to be a warranty of a condition, shelf life or effect of the product, nor is it deemed to be an assurance of a quality. Diverse influencing factors, especially such as are climate and application-related, can have an effect on the effectiveness of the product. We also wish to inform you that possible (external) influences that can occur during the processing and the use of the product cannot be excluded. The information in this product information does not therefore release the user from his duty to test a product that has been selected in advance. We would be pleased to provide samples for this purpose (container sizes on request). We exclude all liability for damage resulting from an incorrect storage and use. The user is responsible for acting in accordance with valid laws and provisions. The user is responsible for obtaining any licences that might be required at his or her expense.